

# The American Mineralogist

---

## Journal of the Mineralogical Society of America

---

---

EDITOR

WALTER F. HUNT

ASSOCIATE EDITORS

WILLIAM F. FOSHAG, SAMUEL G. GORDEN, ESPER S. LARSEN,  
JOHN T. LONSDALE, E. POITEVIN AND AUSTIN F. ROGERS

---

VOLUME 14, 1929

---

*Reprinted with the permission of the original publishers*  
KRAUS REPRINT CORPORATION  
New York  
1968

The American Anthropologist  
Journal of the  
Anthropological Society of America

---

## CONTENTS OF VOLUME 14

## NO. 1, JANUARY

Paragenetic classification of the minerals of Franklin, New Jersey.....	Charles Palache	1
Doubly terminated quartz crystals occurring in gypsum.....	W. A. Tarr	19
Dipyrite and associated contact minerals from the Franklin Mountains of Texas.....	John T. Lonsdale	26
Fluorescence of minerals in ultra-violet rays.....	L. J. Spencer	33
Notes and news, proceedings of societies, new mineral names.....		33

## NO. 2, FEBRUARY

A comparison of the ore deposits of Långban, Sweden, with those of Franklin, New Jersey.....	Charles Palache	43
Camsellite and szaibelyite.....	A. N. Winchell	48
Pseudo-cubic quartz crystals from Artesia, New Mexico.....	W. A. Tarr and John T. Lonsdale	50
New data on atomic dimensions.....	Edgar T. Wherry	54
The crystal forms of calcium sulphate.....	L. S. Ramsdell and E. P. Partridge	59
Manganotantalite from Portland, Connecticut.....	W. G. Foye	75
Large topaz crystal from Maine.....	W. D. Nevel	75
Notes and news, reviews, proceedings of societies, new mineral names.....		75

## NO. 3, MARCH

The temperatures of magmas.....	Esper S. Larsen	81
Proceedings of the ninth annual meeting of the Mineralogical Society of America at New York City.....	Frank R. Van Horn	95
Honorary life fellows of the Mineralogical Society of America.....		108
Fellows and members of the Mineralogical Society of America.....		108
Reviews, proceedings of societies.....		117

## NO. 4, APRIL

An Illinois record copper erratic.....	A. R. Crook	119
Dispersion of minerals.....	A. N. Winchell	125
Loseyite—A new Franklin mineral.....	L. H. Bauer and Harry Berman	150
The determination of the crystallographic constants in the triclinic system.....	A. L. Parsons	154
Note on hydrophilite.....	Chester B. Slawson	160
Green sphalerite from Sonora, Mexico.....	R. J. Leonard	161
Reviews, proceedings of societies.....		161

## NO. 5, MAY

Mooreite, a new mineral, and fluoborite from Sterling Hill, New Jersey.....	L. H. Bauer and Harry Berman	165
Crystal structure types.....	John W. Gruner	173
An X-ray study of the domeykite group.....	L. S. Ramsdell	188
On naming minerals.....	H. E. McKinstry	197
An unusual college monument.....	C. A. Bonine	200

A unique formation of satin spar .....	Victor G. Hills	200
The largest meteors .....	"Science"	201
E. E. Hesnard .....	Kenneth K. Landes	202
Notes and news, reviews, proceedings of societies .....		203

## NO. 6, JUNE

The origin of the zinc deposits at Franklin and Sterling Hill, New Jersey ..	W. A. Tarr	207
Capsular silica .....	Frederick A. Burt	222
Structural reasons for oriented intergrowths in some minerals .....	John W. Gruner	227
Appearance of tourmaline in sediments .....	Levi S. Brown	238
Notes and news, reviews, proceedings of societies, new mineral names .....		238

## NO. 7, JULY

Polysynthetic twinning in dolomite .....	Austin F. Rogers	245
The preparation of projection diagrams .....	F. E. Wright	251
An artificial gem-stone isomorphous with spinel .....	Paul F. Kerr	259
Base exchange in artificial autunites .....	J. G. Fairchild (With introduction by W. T. Schaller)	265
Proceedings of societies, reviews, notes and news .....		276

## NO. 8, AUGUST

Gearsutite from Virginia .....	E. P. Henderson	281
Celestite in central Ontario .....	H. W. Fairbairn	286
A staining method for the quantitative determination of certain rock minerals ..	A. Gabriel and E. P. Cox	290
The quantitative optical determination of sodium and potassium chlorides ..	Chester B. Slawson	293
Mineral determination by absorption spectra, 1 .....	Edgar T. Wherry	299
New and interesting minerals from central New Jersey .....	A. C. Hawkins	309
Proceedings of societies .....		311

## NO. 9, SEPTEMBER

Copper pitch ore .....	F. N. Guild	313
The properties and associated minerals of gillespite ..	Waldemar T. Schaller	319
Mineral determination by absorption spectra, 11 .....	Edgar T. Wherry	323
A broad source of monochromatic light. M. J. Buerger and H. A. Huntsinger		329
Two-circle and three-circle co-ordinate angles .....	Martin A. Peacock	332
Natural etching of detrital garnet .....	M. N. Bramlette	336
Nominations for officers of the Mineralogical Society for 1930 .....		337
Notes and news, proceedings of societies, new mineral names .....		337

## NO. 10, OCTOBER

Chromite: Its mineral and chemical composition .....	Lloyd W. Fisher	341
Some new immersion melts of high refraction .....	Tom. Barth	358
The exhibit illustrating fluorescence at the Academy of Natural Sciences of Philadelphia .....	Samuel G. Gordon	362

# CONTENTS

v

Dahllite from St. Paul's Rocks (Atlantic).....	Henry S. Washington	369
On occurrence of dumortierite near Quartzsite, Arizona...	Eldred D. Wilson	373
Occurrence of doubly terminated quartz crystals in sandstone in the Shenandoah Valley, Virginia.....	Charles R. L. Oder	382
Notes and news, book reviews, new mineral names.....		385

## NO. 11, NOVEMBER

Composition of the melilite group.....	Harry Berman	389
The strontium occurrence near LaConner, Washington..	Kenneth K. Landes	408
The double variation method of refractive index determination (second paper) .....	R. C. Emmons	414
Probertite, a new borate.....	Arthur S. Eakle	427
Interpretation of concentric textures at Colquijirca, Peru.....	H. E. McKinstry	431
Vashegyite and barrandite in Nevada.....	H. G. Clinton	434
Book reviews, proceedings of societies, new mineral names.....		437

## NO. 12, DECEMBER

A modified universal stage.....	R. C. Emmons	441
Periclase from Crestmore near Riverside, California, with list of minerals from this locality.....	Austin F. Rogers	462
Structures of sulfides and sulfosalts.....	John W. Gruner	470
A set of thirty immersion media.....	R. C. Emmons	482
Magnet Cove Arkansas and vicinity.....	William L. Haltom	484
Notes and news, proceedings of societies, book reviews.....		487
Book reviews.....		488
Index to volume 14, title page, and table of contents.....		491



# THE MINERALOGICAL SOCIETY OF AMERICA

*Tenth Annual Meeting*

*Wardman Park Hotel, Washington, D. C.*

*December 26-28, 1929*

## PROGRAM

*In Joint Session with the Geological Society of America.*

Thursday, December 26, 1929, at 4 P.M.

A. L. PARSONS, **Presidential Address: Iridescent Color in Peristerite.**

## LIST OF PAPERS

To be presented, Thursday, December 26, 1929, at 2 P.M.

1. E. H. KRAUS, Past-President.—A Survey of the First Ten Years of the Mineralogical Society of America.

2. J. E. WOLFF.—Lantern Slides in Natural Colors for Demonstrating Geology and Microscopical Petrography.

3. C. B. SLAWSON.—A Biological Application of Petrographic Methods.

4. H. E. MERWIN.—Staining as an Aid in the Determination of Clay Minerals.

5. R. H. LOMBARD AND H. E. MERWIN.—Minerals of the System Cu-Fe-S.

6. K. K. LANDES.—Rapid Specific Gravity Determinations with Clerici Solution.

7. C. E. MILLER.—Separation of Mica from Sand by Rosenbusch's "Cardboard Method."

8. C. E. MILLER.—Data Concerning Decrepitating Minerals.

9. R. C. EMMONS.—The Double Variation Method of Mineral Determination.

10. J. E. WOLFF.—The Fedorow Universal State for Determining the Optical Properties of Minerals, especially in Sections of Rocks.

11. L. S. RAMSDELL.—The Crystal Structure of Tetradymite.

12. E. C. PALMER.—Flints and Jaspers Found in the District of Columbia in 1929.

13. P. F. KERR.—Kaolinite from a Brooklyn Subway Tunnel.

14. J. E. WOLFF.—Dumortierite from Imperial Valley, California.
15. E. T. WHERRY.—A Tabulation of the Aluminium Silicate Minerals, Revised.
16. E. H. KRAUS, WILLIS SEAMAN, AND C. B. SLAWSON.—Two New Minerals from the Lake Superior Iron District.
17. F. R. VAN HORN.—Replacement of Wolframite by Scheelite in a Cornish Tin Vein.
18. J. L. STUCKEY.—The Mineralogy of Some Deposits of Kolinized Volcanic Ash from the Slate Belt of North Carolina.
19. W. F. FOSHAG.—Origin of Boron Deposits of the Western United States.
20. M. N. SHORT.—Some Discredited and Doubtful Ore Minerals.
21. E. K. GEDNEY.—Notes on the Mineralogy of the New England Pegmatites.
22. E. K. GEDNEY.—Beryllium Ores in New England.
23. A. F. ROGERS.—Distribution of Crystals Among the 32 Symmetry Classes.
24. E. T. WHERRY.—A Plea for the Improvement of the Names of the Crystal Forms.

